WRT®

CZW-801CY

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Content

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Content

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801 intercom systems is composed by building gate station, user door phone, PC and other equipments, which is based on TCP/IP. The system is with the technology of multichannel, every channel can work independently.

1. Luxurious design. Unlimited numerous of indoor monitors are allowed

2. Color Visual

3. LCD follow-up operation menu

4. Sloping Keyboard, convenient to use.

5. Advanced design of the keyboard, dust-proof and long service life. (option)

6. Digital signal transmission

7. Call the Control Center directly, remote unlock

8. Unlock with password and cards (IC card: Type A, I; ID card: Type A, E), disarm by cards

9. Burglar Alarm(option)

10. CCD Infrared compensation

11. TCP/IP Agreement, network, remote system upgrade

CZW-801CY(TPYE:A)

Front View
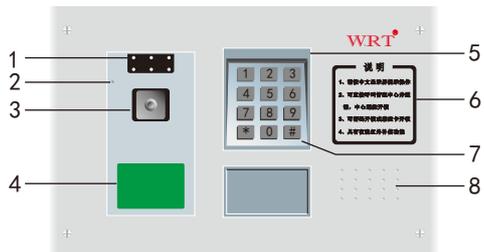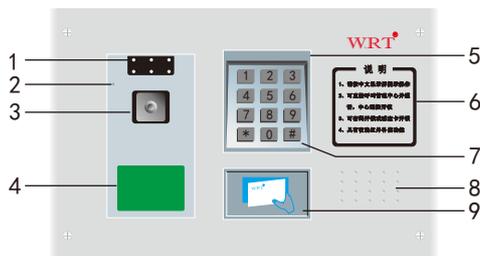
Back View
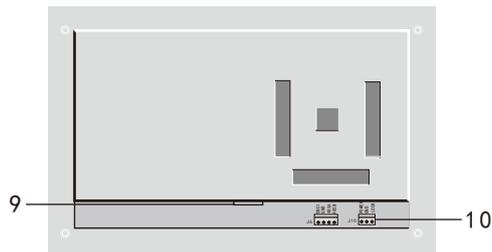
1.Infrared compensation Camera   2.Microphone   3.Camera   4.LCD   5.Keyboard LED

6.Operating Instruction   7. Keyboard   8. Speaker   9. Network Port

10. Socket for power input & Unlock signal output

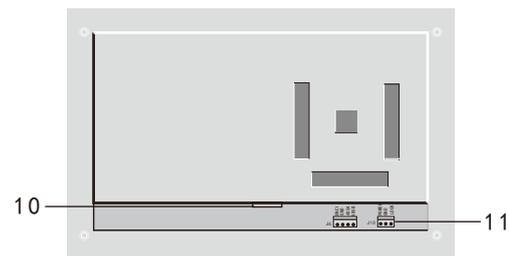Equipment Description

WRT ®

Front View

Back View

1.Infrared compensation Camera   2.Microphone   3.Camera   4.LCD   5.Keyboard LED

6.Operating Instruction   7. Keyboard   8. Speaker   9. Access Card Induction Zone

10.Network Connector   11. Socket for power input & Unlock signal output

3

Equipment Description

Caution

1. Do not install the stations in any of the following locations, as it can cause fire, electric shock or unit damage:

-High or extreme cold temperature area, under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.

-Places subject to moisture or humidity extremes (bathroom, cellar, greenhouse, etc.)

-Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.

-Places subject to constant vibration or impact.

-Where noise-generating devices such as TV or radio are close by.

-Places subject to steam or smoke. (Near heating equipment or cooking surfaces)

2.Be sure to cut off the power during installation.

3.Use the shortest wiring route whenever possible.

4.Be sure that the vandal resistant switch contacts the mounting bracket firmly.

5.Use shielded wiring. Route the wiring through an approved cable housing to minimize the risk of accidental damage. The end of the wires should be longer than the cable housing for future repair convenience. Moreover, the end of the wires should have water-proof protection.

6.Check local and national codes to choose the correct method for your application.

7.To avoid damage to the equipment, malfunction, noise interruption, or poor picture quality, don't run the wiring next to large motors, high current switches, or transformers.

5. Do not attempt to change or alter the equipment. It can cause fire or electric shock.

6.Do not plug or unplug with wet hands. Electric shock could result.

7.Do not use any power source other than specified. Fire or electric shock could result.

8.Make sure wires are connected properly before plugging in power supply.

9.For the first usage, access control data in the Door Station should be cleared to initialize the memorizer.

10. If the system is found of any malfunction, please cut off the power and inspect according to the Troubleshooting. If it is unable to find the causes, please contact the sales agent or the manufacturer's after-sales service department. Do not repair or replace the parts by yourself, otherwise the system may be damaged.

1. Make a hole fit for the 318×198×86mm box. It is suggested that the centre of the hole shall be 145cm above the ground.
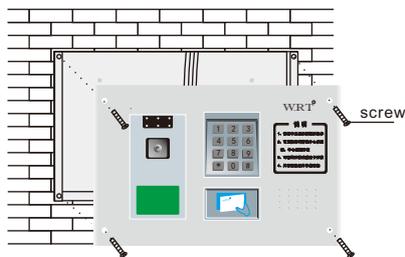
2. Punch four holes for screws. (Figure 2)
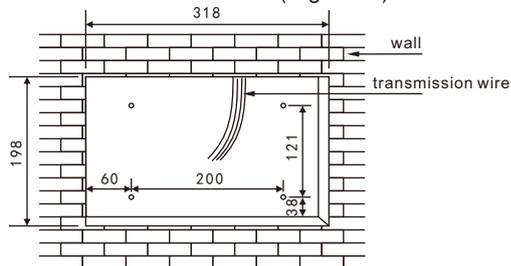
（1）
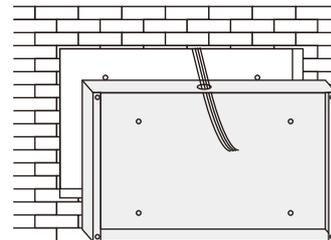
（2）
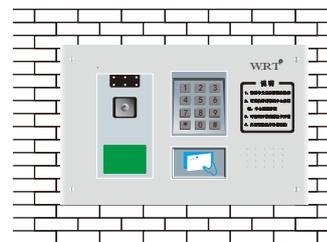
3. Open a wiring hole in the bottom of the wiring box an insert the wires through the wiring hole, and secure the bottom case with 4 screws.(Figure 3)

4. Connect all the wires, and then secure the mounting box with 4 screws.

（3）

（4）

Please note：

1. All the parameters should be configured by oppointed or authorized person in case of any data leakage. Admin password must be kept by specially-assigned person for usage or updating purpose.

2.Access control settings of gate station and wall station in the network system should be operated in center guard unit.

3.Back up a copied data file in case of any damage of computer system. It will display in standby state.

```
            Welcome
Input 00# to call guard center
        2009/2/17 Tue


        11:38:01
```

When standby, press key " * " firstly then press key " # ", and release the two keys at the same time. Input 8 digit managing PIN (If it is first time to input, it should be input the original PIN "88888888") and press "#" key. If press correct, it will be the setup state:
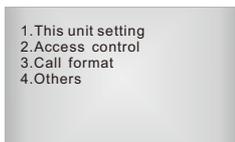
```
1.This unit setting
2.Access control
3.Call format
4.Others
```

Setting

Press 1 to turn into the "Basic Setting" page:

```
1.Device type
2. Device number
3. Network setting
4. Language setting
```

1. Device type

Tick Entrance Station, Gate Station or Sub Gate Station firstly. Press key "#" to confirm, and press key "✳" to go back to the previous.

```
1. Entrance station
2. Main gate station
3. Sub-gate station
```

2. Device number

When in "Basic Setting" state, press 2, you will be go into sub menu, you can set the Group No., Building No., Unit No. and the Station No. and press key "#" to confirm after input.

PS: If this station is use for Entrance Station, the Building No. and Unit No. would be "0".

```
1. Group ID
2. Building ID
3. Unit ID
4. Device ID
```

Press 1 to enter into Group ID setting:

```
Please input group ID
01
```

3. Network Specification

When in "Basic Setting" state, press 3, you may asked to input the IPs, and press key "#" to confirm after input. Press "*" can go back to the previous.Main interface as below.

```
1. Local IP
2. Sub-gate way
3. Gateway IP
4. Center IP
```

Click 1 Local IP, it will show

```
IP address
192.168.001.005
192. 168. 001. 005
```

After successful input of IP address, click 2 Sub-gate way,it will show

```
Subnet mask
255.255.255.000
255.255.255.000
```

After successful input of subnet mask, click 3 gateway IP,it will show

```
Gateway IP
192. 168. 001. 005
192. 168. 001. 005
```

After successful input of gateway IP, click 4 gateway IP,it will show

```
Center IP
192. 168. 001. 005
192. 168. 001. 005
```

Input all the data accordingly and click # to confirm and then back to previous menu.

Click "5" under Network specification menu, it will show:

```
Sub-center IP
000. 000. 000. 000
000. 000. 000. 000
```

Click "6" under Network specification menu, it will show:

```
master station IP
000. 000. 000. 000
000. 000. 000. 000
```

Click"7"under Network specification menu, it will show:

```
sub master station
        IP
000. 000. 000. 000
000. 000. 000. 000
```

4. Language setting (English language optional)

5.Camera brightness adjust. There are 10 levels for you to select, press the number you want and press key "#" to modify.

6.Camera contrast adjust.There are 10 levels for you to select, press the number you want and press key "#" to modify.

7.Camera saturation adjust.There are 10 level for you to select, press the number you want and press key "#" to modify.

8.Door contact delay.User can set delay time for door contact.

```
Camera brightness 10
Camera contrast    40
Camera saturation  90
Door contact delay  3
```

Access Control

When in setup state, press 2, you will be go into Access control menu.

```
1 Issue cards by room ID
2 Issue cards by swipe
3 Logout cards by room ID
4 Logout cards by swipe
5 Return
```

Press "1" to issue cards according to the Room No.

Please Input the Room No. and press "#" key to confirm.

Swipe the card and if "didi" sound can be heard, means it had successed. And than you can issue the next one. Press "*" can go back to the previous.

Press "2" to issue cards by reading them.

Swipe the card, and then go back to the holding state, so that the tenants can use the cards by now.

Press "3" to cancel the cards:

Input the Room No. of the card which is need to cancel, and press "#" to confirm. The tenant can not use this card to release the lock then.

Press "4" to cancel the card by reading it.

Swipe the card, and press "*" to quit. The cards which have been canceled can not unlock the door until they are issued again.

Call Format

Click 3 Call format in main interface.

1.Group No. 0
2.Building No. 0
3.Unit No. 0
4.Floor No. 1
5.Room No. 1

Operation

Call Format is the format you should input when you call the tenant. The total of Room No. is 13 digits (Group No.+ Building No. + Unit No. + Floor No. + Room No.).The digits of each No. are up to you. For example: you want to call the tenant who is in Room 1 Floor 1st Unit 1, the 1st Building Group 1, you can set Group No., Building No., Unit No., Floor No. and Room No. all are 1, therefore, you only have to input "11111#" can call the tenant. But you should input "111011#" when you set 2 digits of Floor No..

Press"1", modify the Group No. and press "#" key to confirm.

Press"2" , modify the Building No. and press "#" key to confirm.

Press"3" , modify the Unit No. and press "#" key to confirm.

Press"4" , modify the Floor No. and press "#" key to confirm.

Press"5" , modify the Room No. and press "#" key to confirm

Others

When in setup state, press 4 to enter into "Others". The volume, snapshot, management password, date, time and key sound can be set under this state.

1 Volume setting
2 Snapshot setting
3 Password management
4 Restart

Volume

When in "Others" state, press 1, and press 1 or 2 after that to set the ring and the calling volume. It is 5 levels of the volume. Press key "#" to modify and key "　" to cancel.

```
1. Ringtone volume
2. Intercom volume
```

Snapshot

When in "Others" state, press 2. Press 0, snapshot off; press 1 and press key "#", snapshot. on.

The Control Centre will snapshot when the station is talking with it under the snapshot is on.

Password Manager

When in "Others" state, press 3, you can set or modify the passwords. Press key"#" to confirm

while finished. The Manager Password should be 1 to 8 digits, and the Unlock Password should

be 6 digits.

Date

When in "Others" state, press 6, Press "#" to confirm the date just been set.

Time

When in "Others" state, press 7, Press "#" to confirm the time just been set.

Day

When in "Others" state, press 8, Press "#" to confirm the day just been set.

Please restart the station after setting all above.

Operation

Calling Tenants

Divert off

When in setup state, input Group No., Building No., Unit No., Floor No. and Room No. (For example: input 11111).

Press "#" key to confirm after input the numbers, if it is a dead number.

If the number is correct and the line's not busy now, it will ring out.

When the tenant hand off, the screen will tell.

Visitors can talk with the tenant (The max conversation time of the IP Systems is about 2mins, or else, the time will be only 30 seconds). Press "*" can hand off.

If the conversation last over the max time, the system will quit automatically.

The tenant can unlock the door by pressing the "unlock" key while calling.

If the time has passed over 40 seconds but no one answers, it will quit automatically.

Divert on

When the station is calling the tenant, and is not busy, the system will transfer the call to the Control Center, the screen show.

When the line is busy, you can leave a message.

Calling Center

Press "00" and press "#" key, can call the Calling Center. If the line is free, the screen shows it is calling.

According to the state of the Calling Center, the screen will tell the line is busy or not.

Wait for the Calling Center to answer. If there is no one here, the system will quit after 40 seconds; if

some one answers, the call can lasts 2 mins. It would be cut off automatically while 2 mins passed.

Can unlock the door by Control Center when calling.

Calling Center divert on, the screen shows that the call is switching.

When the Control Center is busy, but there is a Subsidiary Master Station, the screen call tell.

When the Control Center is busy and there is no Subsidiary Master Station, the screen will show.

Unlock

Unlock by password

Tenants can input the public password to unlock. The method is to input "*" key + passwords + "#" key.

If you are being threaten, you can input "*" key + passwords + any numeric key + "#" key, or "*" key

 + Room No. + "#" key, the lock will be released and the signals for help will be sent out at the

same time.

Unlock by ID/IP Cards

ID/IP Cards can be used to release the door, "didi" tone can be heard if succeed, at the same time, the

 screen tell you that the door is opened.

But when the display show "Error" and prompt by "di" tone, it was failed to unlock.
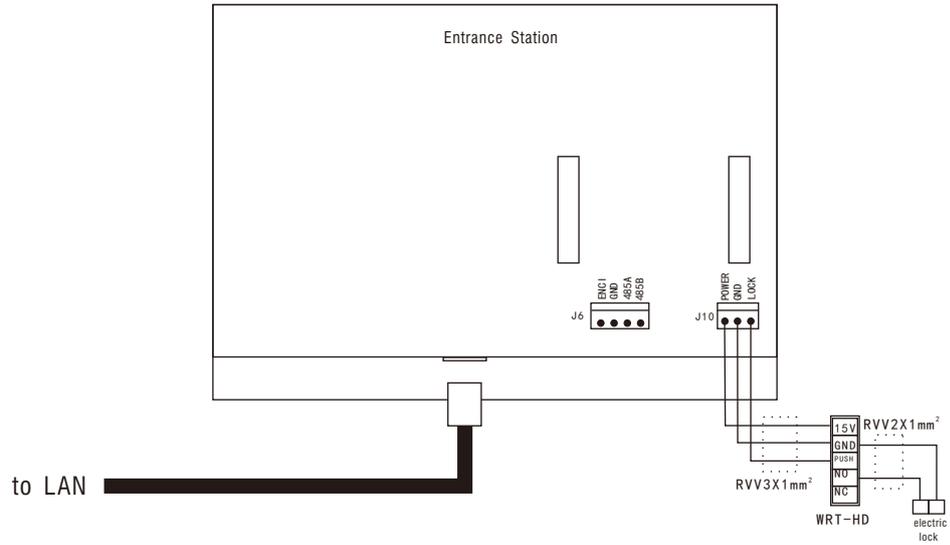
Specification

Direct Voltage	+18VDC
Standby Current	≤250mA
Operating Temperature	−30°C～+55°C
Humidity	45%～95%
Power Output	≤4W
Distortion	≤5%
Sensitivity	≤30mV
Camera	1/3"SONY SHAD CCD, 0.5Lux, 36"
Signal System	PAL/NTSC
Resolution	420 TV CABLE
Screen	128×64 LCD
LCD	32 (4x8)
Dot Matrix Display	16x16
Conversation Time	120s at most, to R2+IP door phone is 30s
Wire Standard	1* STP 8+ 1*RVV3X1.0mm^2
Network Port	RJ45
Way of Transmission	TCP/IP
Transmission Distance	use a decoder or router in 60m, add a fiber optical transceiver over 60m

IC/ID Access Time	<100ms
IC/ID Access Distance	≤30mm
Capacity of cards	≤20000
Anti-jamming	≤4KV
Defence Grade	IP33
External Dimensions	340X220X94mm
Size of Buttom Case	318X198X86mm

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Terminal Marks		Description
SOCKET OF POWER SUPPLY	POWER	Power Supply Input＋, System supplys ＋18V for the Station
	DGND	Power Supply Input-
	UNLOCK	Unlock Signal Output, ＋12V when unlock
NETWORK PORT		Data Transmission

Trouble Shooting

Description	Check	Solution
Station doesnot work	Check the power supply and the connection	Connect all the wires correctly
Cannot connect to network	Check the connection and the IP	Connet wires correctly and set the correct IP
Cannot Unlock	1.Check the power supply 2.Check if the lock is match 3.Check the network wire	1.Use PIN to release door, if it works, the problem is the wiring between Gate Station and decoder. 2.If PIN cannot release door, please test if there is +12V between LOCK of Gate Station and NO port of system power supply when release door. If no voltage in LOCK, please change Gate Station. If there is voltage in NO, please change lock. If no, please check the wire connection and power supply does work.
IC/ID Card Cannot release the door	1.If the card is registered 2.If the card has been damaged 3.Using the card in correct way or not 4.The station does work	1.If only one card does not work, registered the card 2.If all the cards does not work, check the connect wire

WRT®

Entrance Station

ENC1
GND
485A
485B

J6

POWER
GND
LOCK

J10

15V
GND
PUSH
NO
NC

RVV2X1mm²

RVV3X1mm²

WRT-HD

electric
lock

to LAN

Notice：*There are two ways to unlock.*